US ERA ARCHIVE DOCUMENT

Mr. J. I. Palmer, Jr., Regional Administrator USEPA, Region 4 Sam Nunn Atlanta Federal Center 61 Forsyth Street, SW Atlanta, GA 30303

Dear Mr. Palmer:

As a requirement for continued participation in South Carolina's 8-Hour Ozone Early Action Compact, enclosed you will find the December 2003 Progress Report completed by participating counties and the South Carolina Department of Health and Environmental Control (DHEC). Enclosure 1 includes the report for DHEC and Enclosure 2 includes the report for each participating county, grouped by the following areas:

Appalachian: Anderson, Cherokee, Greenville, Oconee, Pickens, Spartanburg

Catawba: Chester, Lancaster, Union, York

Pee Dee: Chesterfield, Darlington, Dillon, Florence, Marion, Marlboro

Waccamaw: Georgetown, Horry, Williamsburg Santee Lynches: Clarendon, Kershaw, Lee, Sumter

Berkeley-Charleston-Dorchester: Berkeley, Charleston, Dorchester

Low Country: Beaufort, Colleton, Hampton, Jasper

Lower Savannah: Aiken, Allendale, Bamberg, Barnwell, Calhoun, Orangeburg

Central Midlands: Fairfield, Lexington, Newberry, Richland

Upper Savannah: Abbeville, Edgefield, Greenwood, Laurens, Saluda

The modeling and emissions inventory components of the early action process remain on schedule. Meetings continue to be held with local stakeholder groups to assist in determining the emission reduction strategies that will be included in the final local Early Action Plans due to EPA in March 2004. DHEC has requested assistance from EPA, Region 4 in determining emission reductions from proposed strategies.

Thank you for the assistance and support EPA has provided in this process. We look forward to continuing to work with EPA as we implement measures to achieve cleaner air sooner for South Carolina and our neighboring states. Should you have questions or desire additional information, please do not hesitate to contact Jim Joy, Chief of DHEC's Bureau of Air Quality at (803) 898-4123 or Henry Phillips of his staff at (803) 898-3260.

Sincerely,

R. Lewis Shaw, P.E. Deputy Commissioner Environmental Quality Control

Enclosures: 1. South Carolina DHEC December 2003 Progress Report

2. December 2003 Progress Reports for Participating Local Areas

cc: Kay Prince, EPA Region 4

County Officials (no attachments*)

Ron Methier, GA Dept. of Natural Resources (no attachments*)

Keith Overcash, NC Dept. of Environmental and Natural Resources (no attachments*)

EQC District Directors (no attachments*)

*All those not receiving attachments will be notified when materials are placed on website.

Statewide Initiatives and Emission Reduction Strategies

Early Action Compact Milestone December, 2003 List of Emission Reduction Strategies Under Consideration Bureau of Air Quality – DHEC State of South Carolina

Based on stakeholder consultation and taking into consideration resource and political constraints, the following control measures under consideration can be reasonably implemented. It is anticipated these measures under consideration will assist South Carolina in achieving and/or maintaining the 8-hour ozone standard by 2007 and beyond.

Measure under		Current assessment of	Proposed date for	Geographic area and/or local
Consideration	Detailed description of measure	emission reductions	implementation	government
Ozone	The Division of Emissions, Modeling and Support	Directionally Sound	Ongoing	Forecast Areas:
Forecast/Outreach	develops a forecast for the 8-hour ozone standard. The			Upstate area - Anderson,
and Education	forecast is for four areas within South Carolina. These			Oconee, Pickens, Greenville,
	areas include the Upstate, Central Midlands, Central			Abbeville, Laurens, Greenwood,
	Savannah River and Pee Dee. The Catawba area,			Spartanburg, Cherokee, and,
	including Chester, Lancaster and York counties is			Union counties.
	included in North Carolina's forecast through a			
	cooperative partnership. A link for the Catawba forecast			Central Midlands area –
	is included on DHEC's website. This year, 2003, was the			Newberry, Fairfield, Kershaw,
	first year that South Carolina forecasted for the Pee Dee			Lexington, Richland, Calhoun,
	area. The Division of Air Planning, Development and			Kershaw, and, Sumter.
	Outreach is responsible for disseminating the ozone			Central Savannah River area –
	forecast to interested individuals and groups across the			
	state, primarily during the summer months. The forecast serves as a public health advisory to protect those			Allendale, Barnwell, Aiken, Saluda, Edgefield, and,
	persons who are most at risk to the effects of ozone.			McCormick.
	persons who are most at risk to the effects of ozone.			Weedimer.
				Pee Dee area – Lee, Darlington,
				Florence, and, Chesterfield
Support activities	SC has been and will continue to work with EPA to assist	Directionally Sound	Ongoing	Statewide
implemented by	local areas in determining the emission reduction			
local areas	strategies that will assist the area in achieving emission			
participating in	reductions needed for attaining and maintaining the 8-			
the EAC	hour ozone standard within their respective area.			
	The Division of Air Planning, Development and			

Refer to the December 2003 Progress Reports submitted by individual areas for additional activities.

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Measure under		Current assessment of	Proposed date for	Geographic area and/or local
Consideration	Detailed description of measure	emission reductions	implementation	government
Consideration	Outreach continues to develop a Resource Guide for Air Quality Improvement that contains useful information to assist counties in planning for cleaner air sooner. This guide is a work-in-progress in which DHEC will continue to search for new information and ask that any information gathered and/or found by counties be shared so that it can be added and used for the benefit of everyone. This guide consists of informational text, pamphlets, hand-outs, useful websites, and other resources that will serve as a tool for county planning. Fact sheets have either been developed or revised to assist with understanding ozone, ozone monitoring and the ozone design value. Copies of these fact sheets were included in the June 2003 submittal. Forms for the milestones have been developed by the Division and provided to the participating areas to assist with the reporting aspect of the EAC. These forms were approved by EPA and were shared with other states involved in the EAP process.	emission reductions	implementation	government
Open Burning	Revise the existing state regulation (R.61-62.2, Prohibition of Open Burning) to reduce statewide NOx/PM/CO emissions. The DHEC Board granted initial approval of the proposed regulation on October 9, 2003. An informational forum was held on November 24, 2003. Final approval by the DHEC Board will be requested January 8, 2004, for submittal to the state legislature.	Currently Evaluating	Promulgation should occur by June 2004. Implementation expected by 2005.	Statewide
South Carolina	This proposed regulation is designed to help control the	Currently Evaluating	Promulgation	Statewide
NOx Control Regulation	growth of NOx emissions statewide and focuses on sources currently not subject to NOx control	(See Attachment 1)	should occur by June 2004.	
Rogulation	requirements. This proposed regulation would apply to		Implementation	
	new NOx sources but would exempt units that are		expected by 2005.	
	regulated by other NOx regulations with equivalent			
	requirements. The DHEC Board granted initial approval			
	of the proposed regulation on October 9, 2003. An informational forum was held on November 24, 2003.			
L	informational forum was field oil 100 veliloei 27, 2003.			<u> </u>

Refer to the December 2003 Progress Reports submitted by individual areas for additional activities.

Measure under		Current assessment of	Proposed date for	Geographic area and/or local
Consideration	Detailed description of measure	emission reductions	implementation	government
	Final approval by the DHEC Board will be requested			
	January 8, 2004, for submittal to the state legislature.			
CAICE	Develop involved and an destruction for a device	X7 - 1	A:1 2005	Ct at and 1-
CAIGE	Develop, implement and market a plan for reducing ground-level ozone precursors by state government.	Voluntary efforts Directionally Sound	April 2005	Statewide
Smart Highways	A plan to ensure transportation plans, programs and	Not applicable		Statewide
Smart Highways	projects consider statewide and local air quality goals.	1 vot applicable		Statewide
	Certain aspects of the Transportation Conformity			
	regulations may be incorporated into such a plan.			
Initiative to	Staff within the Bureau of Air Quality, have met with	Currently Evaluating	April 2005	Statewide
reduce NOx	some of the "larger" facilities in South Carolina to			
emissions from	negotiate NOx emissions through the permitting process.			
large facilities within South	Those reductions will be made available once they are finalized.			
Carolina	illianzed.			
Tier 2 standards	Federal emission standard for passenger cars, light	Currently Evaluating	Phase in period	Statewide
	trucks, and larger passenger vehicles. Program designed	(See Attachment 2)	2004-2007	
	to focus on reducing the emissions most responsible for			
	the ozone and particulate matter impact from these			
x 0.10	vehicles, including NOx and VOCs.		D	
Low Sulfur	Program to reduce average gasoline sulfur levels nationwide	Currently Evaluating	Phase in period	Statewide
NOx SIP Call	Federal Rule calling for SIP revision that requires	(See Attachment 2) 18 percent reduction in	2004-2007 2004	Statewide
NOX SIF Call	sources in 17 states, including South Carolina to reduce	NOx	2004	Statewide
	summertime NOx emissions.	(See Attachment 2)		

Estimated Reductions Achieved by NOx Control Standards from Uncontrolled Levels

Source Type	Control Technology and/or Emission Limit	Percent Reduction from Uncontrolled
Boilers and Water Hea	ters	•
Natural Gas Fired Boil	ers	
≥10mmBTU/hr and < 100mmBTU/hr	Low NOx Burners or equivalent technology capable of achieving 30ppmv @ 3% O2 Dry (0.036 lb/mmBTU)	50%1
≥100mmBTU/hr	Low NOx Burners + Flue Gas Recirculation or equivalent technology capable of achieving 30 ppmv @ 3% O2 Dry (0.036 lb/mmBTU)	50- 60%1
Distillate Oil Fired Boil	lers	1
≥10mmBTU/hr and < 100mmBTU/hr	Low NOx Burners or equivalent technology capable of achieving 0.15 lb/mmBTU	50%1
≥100mmBTU/hr	Low NOx Burners + Flue Gas technology capable of achieving 0.14 Recirculation or equivalent lb/mmBTU	60%1
Residual Oil Fired Boil	ers	
≥10mmBTU/hr and <100mmBTU/hr	Low NOx Burners or equivalent technology capable of achieving 0.3 lb/mmBTU	50%1
≥100mmBTU/hr	Low NOx Burners + Flue Gas Recirculation or equivalent technology capable of achieving 0.3 lb/mmBTU	60%1

Multiple Fuel Boilers		The emission limits for boilers burning multiple fuels are calculated in accordance with the formulas below. Additional fuels shall be addressed on a case-by-case basis.	
≥10mmBTU/hr and < 100mmBTU/hr	$\begin{split} E_n &= [(0.036 \text{ lb/mmBTU } H_{np}) + (0.15 \text{ lb/mmBTU } H_c) + (0.2 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_c) + (0.2 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_c) + (0.2 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_c)]/(H_{np} + \text{lb/mmBTU } H_c) + (0.15 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_c)]/(H_{np} + lb/m$	ssed as NO ₂), ng/J (lb/million Btu) al gas, late oil al oil,	≈50% ¹
≥100mmBTU/hr	$\begin{split} E_n &= [(0.036 \text{ lb/mmBTU } H_{np}) + (0.14 \text{ lb/mmBTU } H_c) + (0.2 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_c) + (0.2 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_c) + (0.2 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_c) + (0.2 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_c) + (0.2 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_c) + (0.2 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_c) + (0.2 \text{ lb/mmBTU } H_w)]/(H_{np} + \text{lb/mmBTU } H_w$	ssed as NO_2), ng/J (lb/million Btu) al gas, late oil al oil,	≈60% ¹
Wood Residue Boilers			
All types	Combustion controls to minimize NOx emission technology capable of achieving 0.20 lb/mmB's	<u>*</u>	0-50%2
Coal Fired Stoker Fed 1	Boilers		
< 250 mmBTU/hr	Combustion controls to minimize NOx emission technology capable of achieving 0.35 lb/mmB'	1	34% ³

- T		
≥ 250 mmBTU/hr	Combustion controls to minimize NOx emissions or equivalent technology capable of achieving 0.25 lb/mmBTU	53% ³
Pulverized Coal Fired	Boilers	
< 250 mmBTU/hr	Low NOx Burners + Combustion controls to minimize NOx emissions or equivalent technology capable of achieving 0.35 lb/mmBTU	50%1
≥ 250 mmBTU/hr	Low NOx Burners + Combustion controls to minimize NOx emissions + SCR or equivalent technology capable of achieving 0.14 lb/mmBTU	70%+1
Municipal refuse fired	l boilers	I
< 250 mmBTU/hr	Combustion modifications to minimize NOx emissions + Flue Gas Recirculation or equivalent technology capable of achieving 200 ppmv @12% CO ₂ (0.35 lb/mmBTU)	12%3
≥ 250 mmBTU/hr	Staged Combustion and Automatic Combustion Air Control + SCR or equivalent technology capable of achieving 0.18 lb/mmBTU	55% ³
Internal Combustion 1	Engines	I
Compression Ignition	Timing Retard ≤ 4° + Turbocharger w/ Intercooler or equivalent technology capable of achieving 490 ppmv @ 15% O ₂ (7.64 gm/bhp-hr)	20-30%1
Spark Ignition	Lean Burn Technology or equivalent technology capable of achieving 1.0 gm/bhp-hr	87%1
Landfill or Digester Gas Fired	Lean Burn Technology or equivalent technology capable of achieving 1.25 gm/bhp-hr	≈50% EST

Gas Turbines		
Simple Cycle – Natu	ıral Gas	
< 50 Megawatts	Combustion Modifications (e.g. dry low-NOx combustors) to minimize NOx emissions or equivalent technology capable of achieving 25 ppmv @ 15% O ₂ Dry (0.054 lb/mmBTU)	81%4
≥ 50 Megawatts	Combustion Modifications (e.g. dry low-NOx combustors) to minimize NOx emissions or equivalent technology capable of achieving 9.0 ppmv @ 15% O ₂ Dry (0.033 lb/mmBTU)	84%1
Combined Cycle – N	atural Gas	
< 50 Megawatts	Dry Low-NOx Combustors or equivalent technology capable of achieving 9.0 ppmv @ 15% O ₂ Dry (0.033 lb/mmBTU)	84%1
≥ 50 Megawatts	Dry Low-NOx Combustors + SCR or equivalent technology Capable of achieving 3.0 ppmv @ 15% O ₂ Dry (0.011lb/mmBTU)	94%1
Simple Cycle - Disti	llate oil combustion	I
< 50 Megawatts	Combustion Modifications and water injection to minimize NOx emissions or equivalent technology capable of achieving 42 ppmv @ 15% O ₂ Dry Basis (0.16 lb/mmBTU)	68%1
≥ 50 Megawatts	Combustion Modifications and water injection to minimize NOx emissions or equivalent technology capable of achieving 42 ppmv @ 15% O ₂ Dry Basis (0.16 lb/mmBTU)	68%1
Combined Cycle - Di	stillate oil combustion	I
< 50 Megawatts	Dry Low-NOx Combustors with water injection, or equivalent technology capable of achieving 42 ppmv @ 15% O ₂ Dry Basis (0.16 lb/mmBTU)	68%1

≥ 50 Megawatts	Dry Low-NOx Combustors, water injection, and SCR or Equivalent technology capable of achieving 10.0 ppmv @ 15% O ₂ Dry Basis (0.038 lb/mmBTU)	90%1
Landfill Gas Fired	Water or steam injection or low NOx turbine design or equivalent technology capable of achieving 25 ppmv @ 15% O ₂ (0.097 lb/mmBTU)	48%4
Cement Kilns		
All	Low NOx Burner or equivalent technology capable of achieving a 30% reduction from uncontrolled levels	30%
Fluidized Bed Comb	oustion (FBC) Boiler:	
Coal Fired	SNCR- Urea (Selective Noncatalytic Reduction - Urea) capable of achieving 0.07 lbs/mmBTU (51.8 ppm @ 3% oxygen)	75% 1
Wood Fired	SNCR- Urea (Selective Noncatalytic Reduction - Urea) capable of achieving 0.07 lbs/mmBTU (51.8 ppm @ 3% oxygen)	55%1
Recovery Furnaces		
All	4 th level or air to recovery furnace/good combustion practices or equivalent technology capable of achieving 100 ppm @8% oxygen	0-30% ⁵
Lime Kilns		1
All	Combustion controls or equivalent technology capable of achieving 175 ppm @ 10% oxygen	25% ³

Fuel Combustion Sources Not Otherwise Specified: (Examples include but are not limited to process heaters, dryers, furnaces, ovens, duct burners, incinerators, and smelters)

All	Low NOx Burners or equivalent technology capable of achieving	0-60%1
	30 ppmv @ 3% O ₂ Dry (0.036 lb/mmBTU)	

¹ – EPA 456/F-99-066R "EPA Technical Bulletin – Nitrogen Oxides (NO_x), Why & How thet are Controlled", Nov. 1999.

Utility Reductions from EGUs in the NOx SIP Call

Utility	1998 Emissions ¹	2007 Emissions	2012 Emissions
	(tons/day)	(tons/day)	(tons/day)
Progress Energy	13.76	30.97	30.97
SCE&G	147.8	84.06	84.06
Santee Cooper	151.65	21.34	30.97
Duke Power	17.21	13.70	13.70
Total	330.42 tons/day	150.07	159.70
Reduction from	-	54.6%	51.7%
1998 Levels			

¹- Emission data represents modeling episode only.

Note: Data is for the EGU units under the NOx Trading Program Only.

² – EPA 453/R-94-022 "Alternative Control Techniques Document – NO_x Emissions from Industrial/Commercial/ Institutional Boilers", March 1994

³ – Compared with emissions from EPA's AP-42 "Compilation of Air Pollutant Emission Factors"

⁴ – EPA's "Emission Factor Documentation for AP-42 Section 3.1 Stationary Gas Turbines", April 2000

⁵ - Information found on EPA's RACT/BACT/LAER Clearinghouse plus information found in the Willamette PSD permit review (SC).

Reductions from Tier II and Low Sulfur Fuel Regulatory Changes

(For May 1998 Episode & Future Years Using Mobile6 Model)

Year	Mobile On-Road Emissions	% Reduction
	(tons/day)	from 1998 Levels
1998	345	-
2007	153	55.6%
2010	128	62.9%
2012	116	66.3%

These are the Draft Plans of Emission Reduction Strategies for the Santee-Lynches Region submitted for the December 10, 2003 Early Action Compact Milestone.

Early Action Compact Milestone - December 2003 List of Emission Reduction Strategies Under Consideration

Clarendon County

According to the latest 8-hour ozone monitoring data, Clarendon County should remain attainment for the 8-hour ozone standard. However, in an effort to assist other areas in South Carolina and in the interest of public health and the environment, in December 2002, Clarendon County agreed to participate in the 8-hour ozone early action process. Therefore, based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. Clarendon County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.

Measure under consideration	Detailed description of measure	Current assessment of emission reductions	Proposed date for implementation	Geographic area and/or local government
Investigating County vehicle fleet	Review maintenance schedules and overall inspection program by County Vehiccle Maintenance.	N/A	1 November 2003	County government
Investigate nature of school district vehicle operation and maintenance.	Seek to work with school districts similarly as the County's fleet.	N/A	1 Movember to 311 December 2003	County government
Introduce ozone reduction as a part of school science curriculum.	Use ozone reduction as a part of physical science or earth science class.	N/A	1 November to 31 December 2003	County government
Establish County spokesman for air quality.	Find the most logical point to disseminate ozone information and open burning requirements pursuant to air quality.	N/A	1 January t6o 28 February 2004	Geographic area
Develop open burning guidelines	Coordinate open burning with appropriate air quality constraints	N/A	1 January t6o 28 February 2004	Geographic area

Early Action Compact Milestone - December 2003 List of Emission Reduction Strategies Under Consideration

Kershaw County

According to the latest 8-hour ozone monitoring data, Kershaw County should remain attainment for the 8-hour ozone standard. However, in an effort to assist other areas in South Carolina and in the interest of public health and the environment, in December 2002, Kershaw County agreed to participate in the 8-hour ozone early action process. Therefore, based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. Kershaw County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.

Measure under consideration	Detailed description of measure	Current assessment of emission reductions	Proposed date for implementation	Geographic area and/or local government
Air Quality Contact	One person will be identified as the air quality contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	Not available	March 2003	County Wide
Support Statewide Efforts	Kershaw County will support the efforts of SC DHEC regarding state-wide emission reduction strategies.	Not Available		County Wide
Community Awareness and Education	Enhancing ozone awareness will be a vital part of Kershaw County's EAP. A/E will include public speaking, distribution of educational materials, and increased media alerts concerning ozone and clean air awareness.	Not Available	June 2003	County Wide
Alternative Fuel Use	Plan for the use of alternative fuels where possible.		July 2004	County Government
Teleconferencing	Encourage the use of teleconferencing, and provide teleconferencing facilities and technologies.		January 2004	County Government
Media	Utilize local media for education/outreach activities, ozone forecast, PSA's, etc.		January 2004	County Wide
Fleet Scrappage	Implement a fleet scrappage or retirement program.		Existing	County Government

List of Emission Reduction Strategies Under Consideration

Lee County

According to the latest 8-hour ozone monitoring data, Lee County should remain attainment for the 8-hour ozone standard. However, in an effort to assist other areas in South Carolina and in the interest of public health and the environment, in December 2002, Lee County agreed to participate in the 8-hour ozone early action process. Therefore, based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. Lee County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.

Measure under consideration	Detailed description of measure	Current assessment of emission reductions	Proposed date for implementation	Geographic area and/or local government
Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	Not available	March 2003	County wide
Support state- wide efforts	Lee County will support the efforts of SC DHEC regarding state-wide emission reduction strategies.	Not available		County wide
Grass Cutting	Lee County Public Works will delay cutting grass till 6 p.m. on an Ozone Action Day.	Not available		County wide
Education	Lee County will work with school Districts to educate the children about ozone reduction	Not available		County wide
Ozone reduction	Lee County is actively searching for new and better ways to reduce ozone emission that will be suitable for Lee County	Not available		County wide

Early Action Compact Milestone - December 2003 List of Emission Reduction Strategies Under Consideration

Sumter County

According to the latest 8-hour ozone monitoring data, Sumter County should remain attainment for the 8-hour ozone standard. However, in an effort to assist other areas in South Carolina and in the interest of public health and the environment, in December 2002, Sumter County agreed to participate in the 8-hour ozone early action process. Therefore, based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. Sumter County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.

			Proposed	Geographic area
Measure under	Detailed description of measure	Current assessment of	date for	and/or local
consideration		emission reductions	implementation	government
Air Quality	County staff person responsible for air quality	Not available	March 2004	County wide
Contact	education/outreach and dissemination of ozone			
	forecast.			
Support state-	County will offer support to DHEC for statewide	Not available	Upon	County wide
wide emission	emission reduction efforts such as open burning,		implementation	
reduction efforts	and BACT		by state	
Fleet	Sumter County and City governments will	Not available	Not available	County wide
management	consider purchase of alternative fueled or more			
	fuel efficient vehicles when buying replacement			
Alternative fuels	Sumter County and City governments will seek	Not available	Not available	County wise
	the latest information on low emission fuels for			
	use in fleet vehicles			
Education	Air Quality Contact will promote use of "Action	Not available	March 2004	County wide
	for a Cleaner Tomorrow" curriculum with			
	Districts 17 and 2			
Education	Air Quality Contact will develop list of speakers to	Not available	April 2004	County wise
	make presentation on ozone reduction strategies			
Idle time	County and City will develop education program	Not available	April 2004	County wide
reduction	to reduce idling time of fleet vehicles			
Varied	Cty. Dept. of Public Works will schedule	Not available	April 2004	County wide
maintenance	maintenance activities to avoid peak time			
hours	emissions during ozone alerts			
Tree ordinance	Strengthen existing tree ordinance to protect	Not available	Not available	County wide
	existing trees in new developments			-

Measure under consideration	Detailed description of measure	Current assessment of emission reductions	Proposed date for implementation	Geographic area and/or local government
Ozone alert notification	Develop system to notify county and city government agencies of ozone alert days and encourage implementation of strategies	Not available	April 2004	County wide
Tree Planting	Sumter Soil and Water Conservation District will provide technical assistance in planting/replanting 500 acres in trees per year	Not available	On going	County wide
Development model	Sumter Cty. Development Board will continue to support mixed use developments	Not available	On going	County wide
Alternative transportation modes	Support construction of pedestrian and bicycle paths when new roadways are built or improved	Not available	April 2004	County wide
Tree Planting	Continue activities necessary to remain a certified "Tree City"	Not available	On going	City wide